

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/788, 625A
Source: IFW16
Date Processed by STIC: 12/28/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/28/2006

PATENT APPLICATION: US/10/788,625A

TIME: 18:29:22

Input Set : A:\149USUT01.txt

Output Set: N:\CRF4\12282006\J788625A.raw

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3 <110> APPLICANT: TSURUSHITA, Naoya
4     KUMAR, Shankar
5     VASQUEZ, Maximiliano
7 <120> TITLE OF INVENTION: Methods For Producing Humanized Chicken Antibodies (Amended)
9 <130> FILE REFERENCE: 149 US UT01
11 <140> CURRENT APPLICATION NUMBER: 10/788,625A
12 <141> CURRENT FILING DATE: 2004-02-26
14 <160> NUMBER OF SEQ ID NOS: 104
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 378
20 <212> TYPE: DNA
21 <213> ORGANISM: Chicken
23 <400> SEQUENCE: 1
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26 cgtctgcaag gcctccgggt tcaccttcag tagttacagc atgctctggg tgcgacaggc      120
28 gcccgcaag gggctggaat acgtcgctga aattaccaac actggtagga ccagaagata      180
30 cggggcgcg gtgaagggcc gtgccaccat ctcgagggac aacgggcaga gcacagtgag      240
32 gctgcagctg aacaacctca gggctgagga caccggcacc tactactgcg ccagaagtag      300
34 tgtttattct tgttcttatg gttggtgtgc tggtaacatc aacgcatggg gccacggggac      360
36 cgaagtcatc gtctcctc                                     378
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 126
41 <212> TYPE: PRT
42 <213> ORGANISM: Chicken
44 <400> SEQUENCE: 2
46 Ala Val Thr Leu Asp Glu Ser Gly Gly Gly Leu Gln Thr Pro Gly Gly
47 1          5          10          15
50 Ala Leu Ser Leu Val Cys Lys Ala Ser Gly Phe Thr Phe Ser Ser Tyr
51          20          25          30
54 Ser Met Leu Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Tyr Val
55          35          40          45
58 Ala Glu Ile Thr Asn Thr Gly Arg Thr Arg Arg Tyr Gly Ala Ala Val
59          50          55          60
62 Lys Gly Arg Ala Thr Ile Ser Arg Asp Asn Gly Gln Ser Thr Val Arg
63 65          70          75          80
66 Leu Gln Leu Asn Asn Leu Arg Ala Glu Asp Thr Gly Thr Tyr Tyr Cys
67          85          90          95
70 Ala Arg Ser Ser Val Tyr Ser Cys Ser Tyr Gly Trp Cys Ala Gly Asn
71          100         105         110
74 Ile Asn Ala Trp Gly His Gly Thr Glu Val Ile Val Ser Ser
75          115         120         125
78 <210> SEQ ID NO: 3

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79 <211> LENGTH: 312
80 <212> TYPE: DNA
81 <213> ORGANISM: Chicken
83 <400> SEQUENCE: 3
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86 ctccgggggt tacagcggct attatggctg gtaccagcag aaatcacctg gcagtgcccc      120
88 tgtcactgtg atctatgaca acaccaggag accctcggac atcccttcac gattctccgg      180
90 ttccaaatcc ggctccacag ccacattaac catcactggg gtccaagccg acgacgaggc      240
92 tgtctatttc tgtgggacct gggacagcag ccggtgttgg atatttgggg cggggacaac      300
94 cctgaccgtc ct                                                                312
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 104
99 <212> TYPE: PRT
100 <213> ORGANISM: Chicken
102 <400> SEQUENCE: 4
104 Ala Leu Thr Gln Pro Ala Ser Val Ser Ala Asn Leu Gly Gly Thr Val
105 1          5          10          15
108 Lys Ile Thr Cys Ser Gly Gly Tyr Ser Gly Tyr Tyr Gly Trp Tyr Gln
109          20          25          30
112 Gln Lys Ser Pro Gly Ser Ala Pro Val Thr Val Ile Tyr Asp Asn Thr
113          35          40          45
116 Arg Arg Pro Ser Asp Ile Pro Ser Arg Phe Ser Gly Ser Lys Ser Gly
117          50          55          60
120 Ser Thr Ala Thr Leu Thr Ile Thr Gly Val Gln Ala Asp Asp Glu Ala
121 65          70          75          80
124 Val Tyr Phe Cys Gly Thr Trp Asp Ser Ser Arg Val Gly Ile Phe Gly
125          85          90          95
128 Ala Gly Thr Thr Leu Thr Val Leu
129          100
132 <210> SEQ ID NO: 5
133 <211> LENGTH: 30
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 5
139 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
140 1          5          10          15
143 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
144          20          25          30
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 14
149 <212> TYPE: PRT
150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 6
154 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala
155 1          5          10
158 <210> SEQ ID NO: 7
159 <211> LENGTH: 32
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapiens

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163 <400> SEQUENCE: 7
165 Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu Gln
166 1 5 10 15
169 Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
170 20 25 30
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 9
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 8
180 Trp Gly Gln Gly Thr Leu Val Thr Val
181 1 5
184 <210> SEQ ID NO: 9
185 <211> LENGTH: 22
186 <212> TYPE: PRT
187 <213> ORGANISM: Homo sapiens
189 <400> SEQUENCE: 9
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192 1 5 10 15
195 Thr Val Arg Ile Thr Cys
196 20
199 <210> SEQ ID NO: 10
200 <211> LENGTH: 15
201 <212> TYPE: PRT
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 10
206 Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
207 1 5 10 15
210 <210> SEQ ID NO: 11
211 <211> LENGTH: 32
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 11
217 Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser
218 1 5 10 15
221 Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
222 20 25 30
225 <210> SEQ ID NO: 12
226 <211> LENGTH: 11
227 <212> TYPE: PRT
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 12
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233 1 5 10
236 <210> SEQ ID NO: 13
237 <211> LENGTH: 378
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 13

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242 tgaggtgcag ttggtggagt ccggaggtgg actcgtgcag cctggaggaa gcctcaggct      60
244 cagctgcgcc gcctccgggt tcaccttcag tagttacagc atgctctggg tgcgacaggc      120
246 gcctggcaag ggactggaat acgtcgctga aattaccaac actggtagga ccagaagata      180
248 cggagctgcg gtgaagggcc gtgccaccat ctcgaggac aacgccaaga acacagtgtg      240
250 cctgcagatg aacagcctca gggctgagga caccgccgtg tactactgcg ccagaagtag      300
252 tgtttattct tgttcttatg gttggtgtgc tggtaacatc aacgcatggg gccaggggaa      360
254 cctggtcacc gtctcctc                                     378
257 <210> SEQ ID NO: 14
258 <211> LENGTH: 126
259 <212> TYPE: PRT
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 14
264 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
265 1 5 10 15
268 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
269 20 25 30
272 Ser Met Leu Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Tyr Val
273 35 40 45
276 Ala Glu Ile Thr Asn Thr Gly Arg Thr Arg Arg Tyr Gly Ala Ala Val
277 50 55 60
280 Lys Gly Arg Ala Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
281 65 70 75 80
284 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
285 85 90 95
288 Ala Arg Ser Ser Val Tyr Ser Cys Ser Tyr Gly Trp Cys Ala Gly Asn
289 100 105 110
292 Ile Asn Ala Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
293 115 120 125
296 <210> SEQ ID NO: 15
297 <211> LENGTH: 315
298 <212> TYPE: DNA
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 15
302 tagctctgag ctgactcagc cgccttcagt gtcagtggcc ctgggacaga ccgtcaggat      60
304 cacctgctcc ggagggtaca gcggctatta tggctggtac cagcagaaac ctggccaggc      120
306 tcctgtcact gtgatttatg acaacaccag gagaccctcg gacatccctt cagattctc      180
308 cggttccaaa tccggctcca cagccacatt aaccatcact ggagtccaag ccgaggacga      240
310 ggctgactat tactgtggga cctgggacag cagccgtgtt ggtatatttg gaggtgggac      300
312 aaagctgacc gtcct                                     315
315 <210> SEQ ID NO: 16
316 <211> LENGTH: 105
317 <212> TYPE: PRT
318 <213> ORGANISM: Homo sapiens
320 <400> SEQUENCE: 16
322 Ser Ser Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Leu Gly Gln
323 1 5 10 15
326 Thr Val Arg Ile Thr Cys Ser Gly Gly Tyr Ser Gly Tyr Tyr Gly Trp
327 20 25 30
330 Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Thr Val Ile Tyr Asp Asn

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331          35          40          45
334 Thr Arg Arg Pro Ser Asp Ile Pro Ser Arg Phe Ser Gly Ser Lys Ser
335          50          55          60
338 Gly Ser Thr Ala Thr Leu Thr Ile Thr Gly Val Gln Ala Glu Asp Glu
339 65          70          75          80
342 Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Arg Val Gly Ile Phe
343          85          90          95
346 Gly Gly Gly Thr Lys Leu Thr Val Leu
347          100          105
350 <210> SEQ ID NO: 17
351 <211> LENGTH: 27
352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial
355 <220> FEATURE:
356 <223> OTHER INFORMATION: Synthetic Primer
358 <400> SEQUENCE: 17
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363 <211> LENGTH: 31
364 <212> TYPE: DNA
365 <213> ORGANISM: Artificial
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Synthetic Primer
370 <400> SEQUENCE: 18
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374 <210> SEQ ID NO: 19
375 <211> LENGTH: 30
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial
379 <220> FEATURE:
380 <223> OTHER INFORMATION: Synthetic Primer
382 <400> SEQUENCE: 19
383 ggggtctagag ccattggact ctccgtcctg 30
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387 <211> LENGTH: 33
388 <212> TYPE: DNA
389 <213> ORGANISM: Artificial
391 <220> FEATURE:
392 <223> OTHER INFORMATION: Synthetic Primer
394 <400> SEQUENCE: 20
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398 <210> SEQ ID NO: 21
399 <211> LENGTH: 45
400 <212> TYPE: DNA
401 <213> ORGANISM: Artificial
403 <220> FEATURE:
404 <223> OTHER INFORMATION: Synthetic Primer
406 <400> SEQUENCE: 21
407 cttcgtgcta gcgtccactc caatatagat gtgtgcaagc ttggc 45

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:41,42,43,44,45,46,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68
Seq#:69,70,87,88,104

VERIFICATION SUMMARY

DATE: 12/28/2006

PATENT APPLICATION: **US/10/788,625A**

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